Docket: 6315.N

STAPHYLOCOCCUS AU Applicant(s): Timothy E.

Filed: Herewith

NAD SYNTHETASE ON and D. Bryan Prince

Bryan Prince Serial No.: Assigned
Express Mail No.: EL 776902565 US Shee

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Figure 1

ATP

NAD-adenylate

 $\mathsf{PP}_{\mathsf{i}}$ 

H<sub>2</sub>O

NAD+

STAPHYLOCOCO Applicant(s): Time

Filed: Herewith

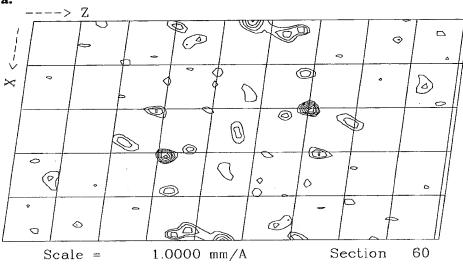
Title: CRYSTALLIZATION AND STRUCTURE DETERMINATION OF **UREUS NAD SYNTHETASE** Z. BENSON and D. Bryan Prince Docket: 6315.N

No.: Unassigned Express Mail No.: EL 776902565 US

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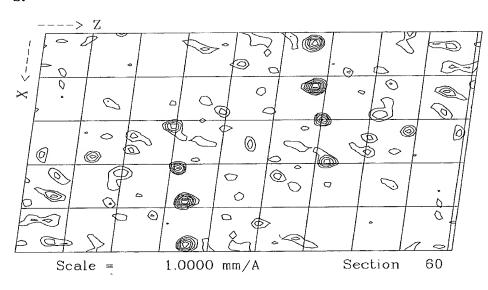
Figure 2

a.



b.

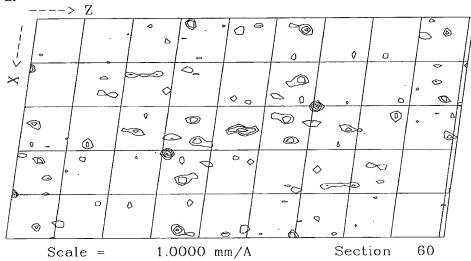
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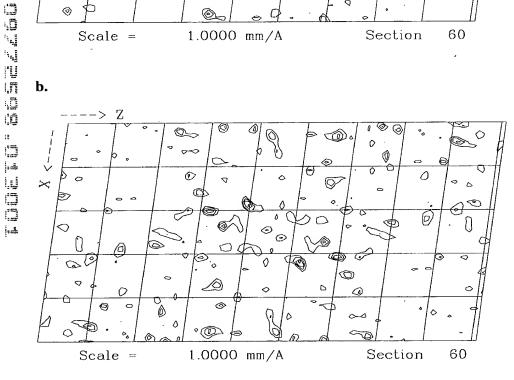
Title: CRYSTALLIZATION AND STRUCTURE DETERMINATION OF STAPHYLOCOCCUS REUS NAD SYNTHETASE Applicant(s): Timoth BENSON and D. Bryan Prince 6.: Unassigned Filed: Herewith Docket: 6315.N Express Mail No.: EL 776902565 US Sheet 3 of 10

Figure 3





b.

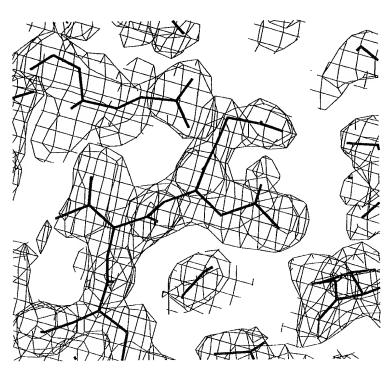


D. Bryan Prince Serial No.: Express Mail No.: EL 776902565 US

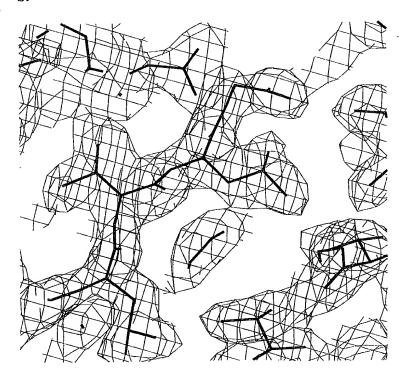
signed Sheet 4 of 10

Figure 4

a.



b.

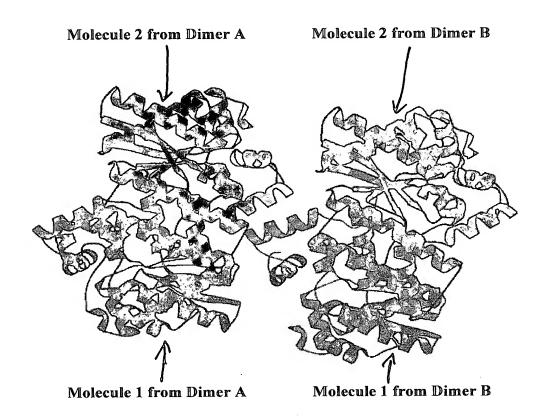


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Applicant(s): Timon BENSON and D. Bryan Prince
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Figure 5



Title: CRYSTALLIZATION AND STRUCTURE DETERMINATION OF STAPHYLOCOCCE TREUS NAD SYNTHETASE

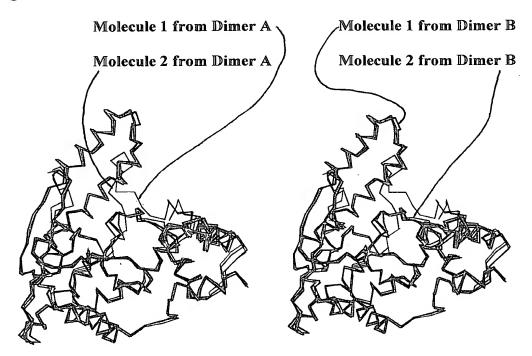
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Applicant(s): Timothy E. BENSON and D. Bryan Prince
Filed: Herewith Docket: 6315.N Express Mail

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Figure 6



Title: CRYSTALLIZATION AND STRUCTURE DETERMINATION STAPHYLOCOC

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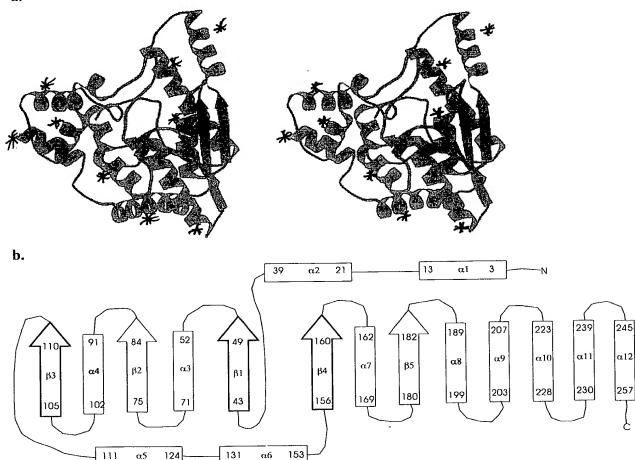
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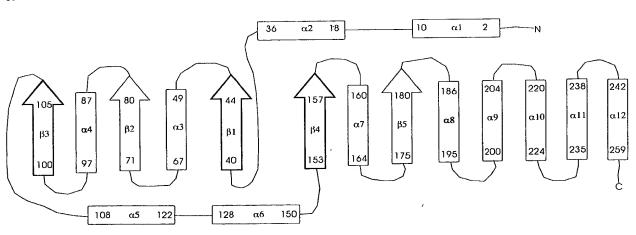
Figure 7

a.



c.

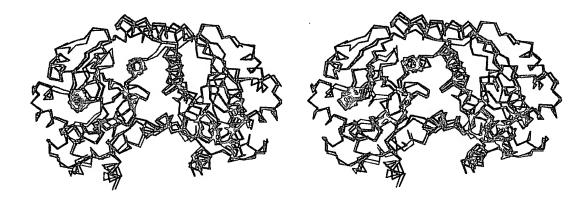
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Applicant(s): Timothy E. BENSON and D. Bryan Prince Seriarno.: U
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Figure 8



Title: CRYSTALLIZATION AND STRUCTURE DETERMINATION OF STAPHYLOCOCCUS AU STAPHYLOCOCUS AU STAPHYLOCOCCUS AU STAPHYLOCOCCU

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Figure 9

	•		1 50
(SEQ ID NO; 2)	nade_bs nade_sa	(1) (1)	SMQEKIMRETHVKPSIDPKQEIEDRVNFTKQYVK-KTGAKGFVLGIS MGSKEQDVIVQEMKVKKRIDSAEEIMELKQFTKNYVQSHSFIKSLVLGIS
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	nade_bs nade_sa	(97) (101)	101 150 IKPDKSWKFDIKSTVSAFSDQYQQETGDQLTDFNKGNVKARTRMIAQYAI IEPDEIVTVNIKPAVDQS-VQSLKEAGIVLTDFOKGNEKARERMKVQFSI
: =		(147) (150)	200 GGOEGLEVEGTDHAAEAVTGFETKYGDGGADELPETGLTKRQGRTLLKEL ASNRQGTVYGTDHSAENETGFYTKYGDGAADEAPTFGLNKRQGRQLLAYL
	_	(197) (200)	201 250 GAPERLYLKEPTADLLDEKPQQSDETELGTSYDEIDDYLEGKEVSAKVSE GAPKELYEKTPTADLEDDKPQLPDEDALGVTYEAIDNYLEGKPVEPEEQK
		(247)	251 284
		(247)	ATEKRYSMTEHKROMPASMEDDWWK VIENHYTRNAHKREDAYERTT-WPKSRSHHHHHH

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Figure 10

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